



CITY COUNCIL

AGENDA REQUEST

AGENDA OF:	05-03-16	AGENDA REQUEST NO:	VI-B
INITIATED BY:	IDAHOA IGBINOBA, RS, PMP, CFM ENGINEER II <i>IUI</i>	RESPONSIBLE DEPARTMENT:	ENGINEERING
PRESENTED BY:	TIMOTHY JAHN, P.E. ASSISTANT CITY ENGINEER	DIRECTOR:	CHRISTOPHER STEUBING, P.E., CFM, CITY ENGINEER <i>CLS</i>
		ADDITIONAL DIRECTOR (S):	ROBERT VALENZUELA, P.E., DIRECTOR OF PUBLIC WORKS <i>RV</i>
SUBJECT / PROCEEDING:	LIFT STATION REHABILITATIONS PROJECT -CIP WW1502 AUTHORIZE CONSTRUCTION CONTRACT WITH RJ CONSTRUCTION COMPANY AND AUTHORIZE BUDGET AMENDMENT TO CIP WW1502		
EXHIBITS:	PROJECT LOCATION MAP SIGNED CONTRACT ENGINEERS LETTER OF RECOMMENDATION		
CLEARANCES		APPROVAL	
LEGAL:	N/A	ASSISTANT CITY MANAGER:	JIM CALLAWAY <i>JC</i>
PURCHASING:	TODD REED, CPPO <i>TR</i> PURCHASING MANAGER	ASSISTANT CITY MANAGER:	N/A
BUDGET:	JENNIFER BROWN, <i>JB</i> DIRECTOR OF FINANCE	CITY MANAGER:	ALLEN BOGARD <i>AB</i> FOR AB
BUDGET			
EXPENDITURE REQUIRED: \$		1,457,000.00	
CURRENT BUDGET: \$		1,270,030.00	
ADDITIONAL FUNDING: \$		300,000 (FROM UTILITY CIP FUND BALANCE)	
RECOMMENDED ACTION			
Authorize the execution of a construction contract with RJ Construction Company Inc. for the rehabilitation of Lift Stations at South WWTP Onsite (No.139), Woodstream (No. 123), Inverrary (No. 129), Lexington 1 (No.134), Lexington 2 (No.135) and Settlers Way (No. 116) CIP WW1502 in the amount of \$1,457,000.00 and approve a budget amendment of \$300,000.00 to CIPWW1502 from Utility CIP Fund Balance.			

EXECUTIVE SUMMARY

Annually, City staff recommends wastewater collection system lift stations for rehabilitation. In FY 2015, South WWTP Onsite (no.139), Woodstream (No. 123), Inverrary (No. 129), Lexington 1 (No.134), Lexington 2 (No.135) lift stations were recommended for rehabilitation. City Council approved the design contract for the lift stations with Sander Engineering Corporation (Sander) on February 17, 2015.

The rehabilitation project scope of work includes the following tasks:

- Valve vault modifications / Pump installation / Riser and header piping installation
- By-pass pumping / Electrical improvements
- Replacing the outdated electrical/Motor Control Center (MCC) panels at the Settlers Way Lift Station
- Wet well recoating / Start-Up Testing / Miscellaneous improvements

It should be noted that the rehabilitation of the Settlers Way Lift Station was completed in November 2015. However, during the rehabilitation of the Settlers Way Lift Station, it was established that the electrical /MCC panels at the lift station were obsolete and replacement parts were no longer available in the open market. The best option is to replace the entire electrical panels and MCC with a modernized system. Due to the urgent need to modernize the electrical system, the project team recommends that the replacement of the electrical panel/MCC be added to the WW1502 project scope of work for Settlers Way lift station.

From lessons learned on the Settlers Way Lift Station Project, the project team reevaluated the electrical and MCC panel scope for lift stations included in the WW1502 project. This was done in order to ensure that all systems are modernized and up to date in regards to the electrical components. This increase in scope to add the Settlers Way replacement of electrical and MCC panels as well as increase the scope of work for all lift stations included in the WW1502 project resulted in the increase in construction cost for the entire WW1502 project.

Design was completed in February 2016 and an Invitation to Bid was advertised on February 24, and March 2, 2016. A non-mandatory pre-bid conference was held on March 3, 2016. Five (5) bids were received on Thursday, March 17, 2016 with total bid prices ranging from \$1,457,000.00 to \$1,968,200.00. The Engineer's opinion of probable construction cost was \$1,505,596.00.

Contractor's Name	Total Bid	Engineer's Estimate \$1,505,596.00
RJ Construction Company	\$1,457,000.00	
McDonald Municipal Industrial	\$1,526,469.00	
Matula & Matula Construction, Inc	\$1,625,495.00	
Peltier Brothers Construction LTD	\$1,963,600.00	
Black Castle G.C	\$1,968,200.00	

The lowest, responsible bidder is RJ Construction Company, Inc with a total bid price of \$1,457,000.00. The budgeted construction amount including contingency for FY 16 CIP No. WW1502 is \$1,270,030.00. The construction phase administration services are estimated to be \$40K, and construction contingency of 5% is at \$73K. Therefore, an increase in funds is needed for CIP No. WW1502 from \$1,270,030.00 to \$1,570,030.00 through a budget adjustment increase of \$300,000.00 from utility CIP fund balance.

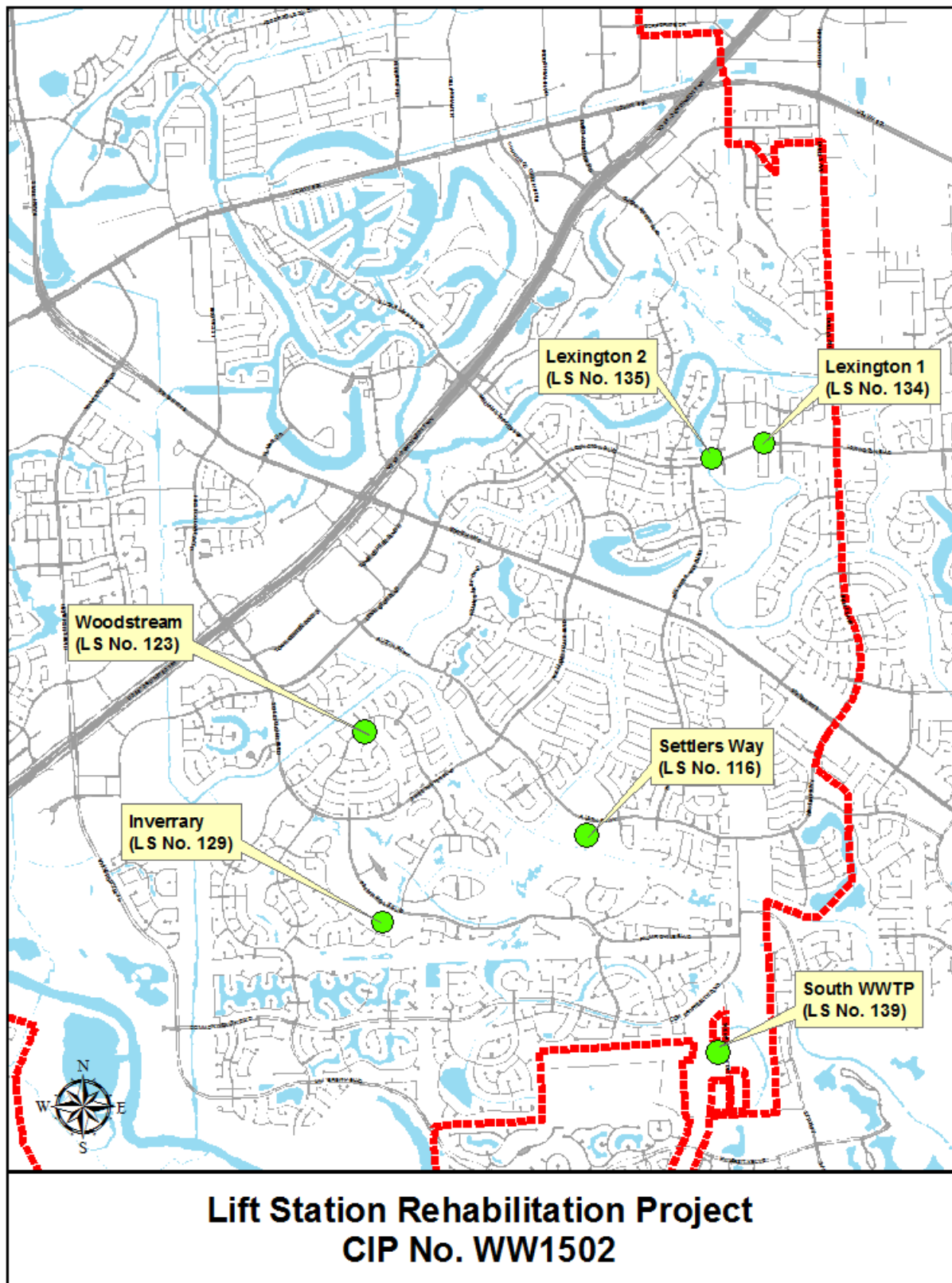
Funding is available from several projects that have returned a total of \$1,507,776 to the Utility CIP fund balance over the last two months through budget amendments.

Sander Engineering Inc completed a reference review and evaluation and provided a letter of recommendation indicating RJ Construction Company, Inc. is capable of completing a project of this nature. Sander confirmed that the bid is fair and equitable based on the scope of work and current material and labor costs for this type of project. The recommendation letter from Sander is included as an exhibit. The substantial completion contract time is 290 days after Notice to Proceed is provided.

The Engineering and Public Works Departments recommend that the City Council authorize the execution of a construction contract with RJ Construction Company Inc. for the rehabilitation of Lift Stations at South WWTP Onsite (no.139), Woodstream (No. 123), Inverrary (No. 129), Lexington 1 (No.134), Lexington 2 (No.135) and

Settlers Way (No. 116) CIP WW1502 in the amount of \$1,457,000.00 and approve a budget amendment of \$300,000.00 to CIP WW1502 from Utility CIP Fund Balance.

EXHIBITS



CITY OF SUGAR LAND
STANDARD CONTRACT FOR CIVIL ENGINEERING CONSTRUCTION PROJECTS
(Not For Building Construction Projects)
(Rev. 12-8-15)

This City of Sugar Land Standard Contract for Civil Engineering Construction Projects (Contract) is made between the City of Sugar Land, Texas (City), and the Contractor. The City and the Contractor agree to the terms and conditions of this Contract, which consists of the following

- I. Signatures
- II. Summary of Contract Terms
- III. Standard Contractual Provisions
- IV. Contract Documents

I. Signatures. By signing below, the parties agree to the terms of this Contract:

CITY OF SUGAR LAND

By:

Name:

Title:

Date:

CONTRACTOR: R J Construction Co Inc

By: 

Name: Robert D. Joseph

Title: President

Date: 3/23/16

II. Summary of Contract Terms.

Project: Lift Station Rehabilitation for Woodstream (No.123), Inverrary (No.129), Lexington No.1 (No.134), Lexington No.2 (No.135), South Wastewater Treatment Plant Onsite (No.139) & Electrical for Settlers Way (No.116)

Contractor: RJ Construction Company Inc

Name of Engineering Firm, if any: Sanders Engineering Corporation

Name of Owner's Project Manager: Idahosa Igbinoba, RS, PMP, CFM

Base Bid: \$ 1,457,000.00

Alternate Bid Item Nos.: n/a

Total Alternate Bid Items Amount: \$ n/a

Contract Price (Base Bid + Alternates): \$ 1,457,000.00, as may be adjusted by Change Orders

Effective Date of Contract: On the latest date of the dates executed by both parties

Date to Begin Work: Date specified in Notice to Proceed

Substantial Completion: Contractor must achieve Substantial Completion within 290 Calendar Days from

SANDER ENGINEERING CORPORATION

CONSULTING ENGINEERS - SURVEYORS
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM NO. F-517
TEXAS BOARD OF PROFESSIONAL LAND SURVEYING FIRM NO. 10030300

1250 W SAM HOUSTON PARKWAY SOUTH, SUITE 400
HOUSTON, TEXAS 77042

DENNIS W. SANDER, P.E.
President

713-784-4830
FAX 713-784-4052

March 23, 2016

Mr. Idahosa Igbinoba
Project Manager
City of Sugar Land
2700 Town Center Blvd. North
Sugar Land, Texas 77479

Re: Letter of Recommendation for Lift Stations Rehabilitation for
Woodstream, Inverrary, Lexington No. 1, Lexington No. 2,
SWWTP Onsite & Electrical for Settlers Way
City of Sugar Land
CIPP No. WW 1502

14-056

Dear Mr. Igbinoba,

Sealed bids were received and opened on March 17, 2016, for the above referenced project. A total of five (5) bids were submitted. The project involves the rehabilitation of the above referenced lift stations to include new pumps, new riser and discharge piping, structural modifications, electrical modifications, and additional ancillary work such as fencing and paving. The following is a summary of our bid evaluation.

1. Bid Tabulation Sheet – Five (5) construction firms participated in the bidding process. The bids were checked for mathematical errors and/or bid irregularities. The project was bid with a Base Bid, Extra Unit Price Items and Allowance Item. There were no Alternate Bid items.

There were no errors found in the bids.

2. The total of the Base Bid, Extra Unit Price Items, and Allowance Item was used to determine the apparent Low Bidder. The order of the bids for the project is:

<u>Bidder</u>	<u>Total Bid Amount</u>
1. RJ Construction Company	\$1,457,000.00
2. McDonald Municipal & Industrial	\$1,526,469.00
3. Matula & Matula Construction, Inc.	\$1,625,495.00
4. Peltier Brothers Construction	\$1,963,600.00
5. BlackCastle, G. C.	\$1,968,200.00


Mr. Idahosa Igbinoba
City of Sugar Land
Recommendation Letter for WW1502
March 23, 2016
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3. Qualifications and References – RJ Construction submitted a list of references and a list of recently completed projects. We contacted several of their references. The references indicated that the quality of their work was satisfactory to very good.

Sander Engineering Corporation has not worked with RJ Construction on prior projects; however, we understand they have worked for the City of Sugar Land on at least one lift station project and the work was completed satisfactorily. Sander Engineering Corporation recommends that the City of Sugar Land award the construction contract for WW1502 to RJ Construction Company for a total amount of \$1,457,000.00.

If you have any questions, please contact me.

Thank you,


Erik D. Miller, P.E.
Senior Project Manager

cc: Mr. Tim Jahn, P.E. – City of Sugar Land